

FIG. 1C  
(PRIOR ART)

FIG. 1D  
(PRIOR ART)

FIG. 2 is a schematic diagram of a prior art system. The system includes a plurality of components arranged in a grid. The components are labeled 100aa, 100ab, 100ba, 100bb, 102, 104a, 104b, 106, 110, 112a, and 112b. The components 100aa and 100ab are arranged in a row. The components 100ba and 100bb are arranged in a row. The component 102 is a horizontal bar. The components 104a and 104b are horizontal bars. The component 106 is a horizontal bar. The components 110, 112a, and 112b are diagonal bars. The component 110 is a diagonal bar with a zigzag line. The components 112a and 112b are diagonal bars with a straight line. The components 100aa, 100ab, 100ba, and 100bb are arranged in a 2x2 grid. The components 102, 104a, 104b, and 106 are arranged in a 2x2 grid. The components 110, 112a, and 112b are arranged in a 2x2 grid.

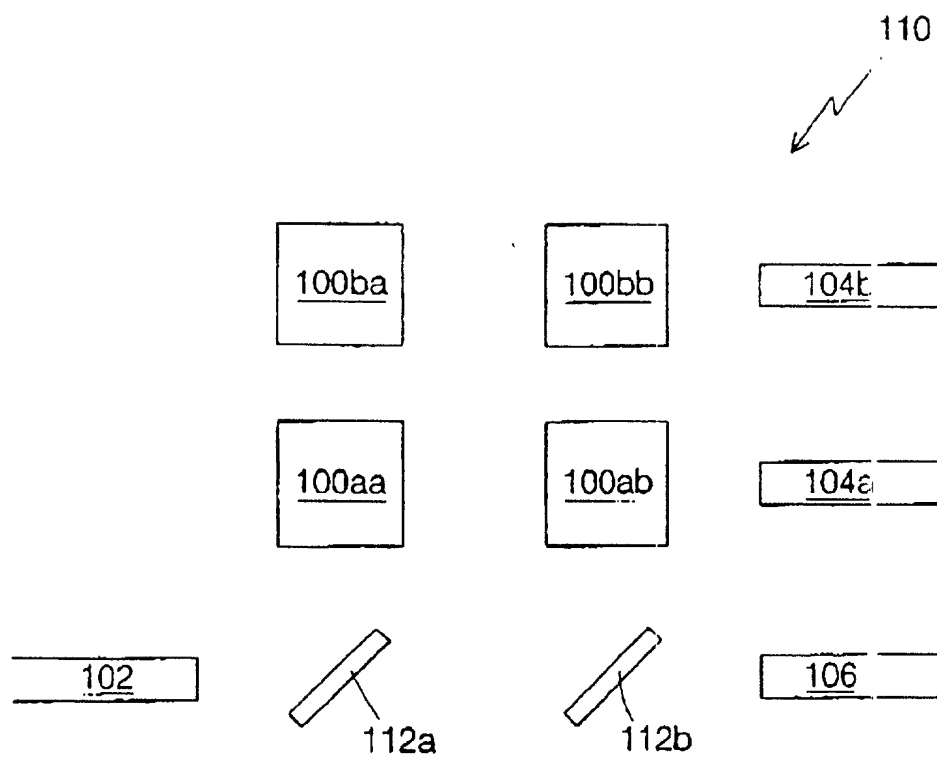


FIG. 2  
(PRIOR ART)

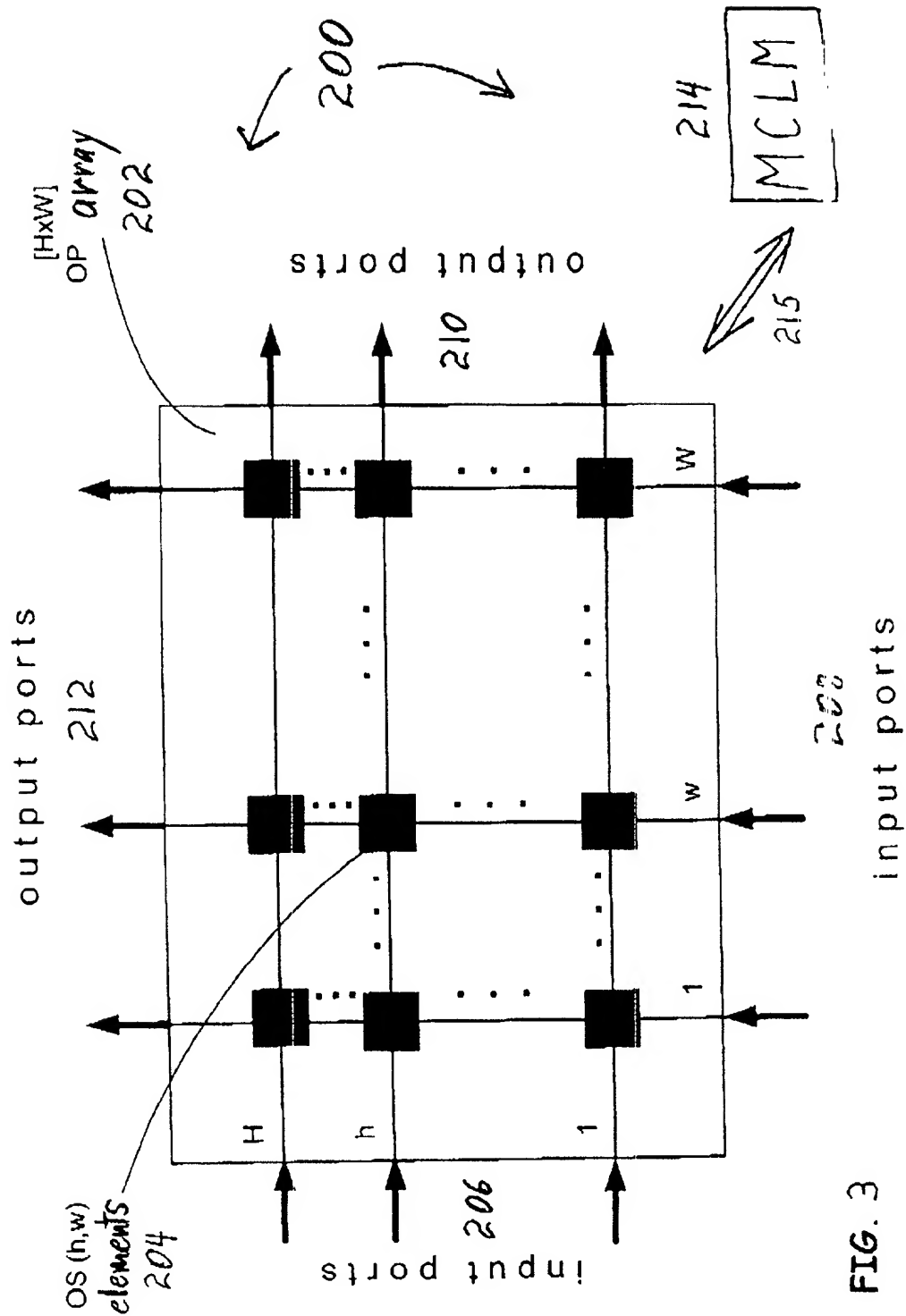


FIG. 3

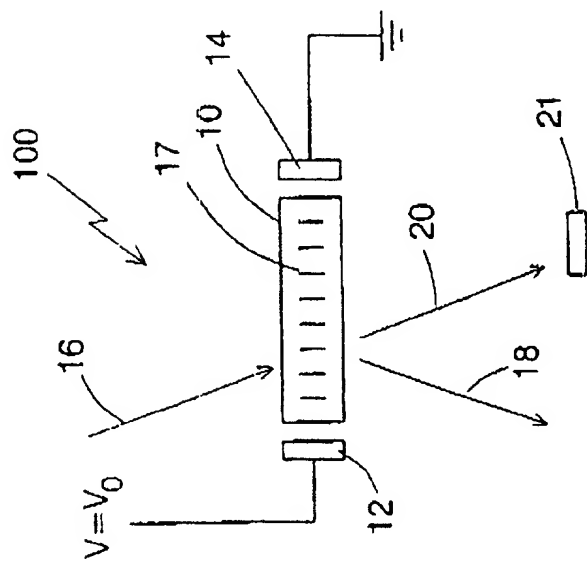


FIG. 1A  
(PRIOR ART)

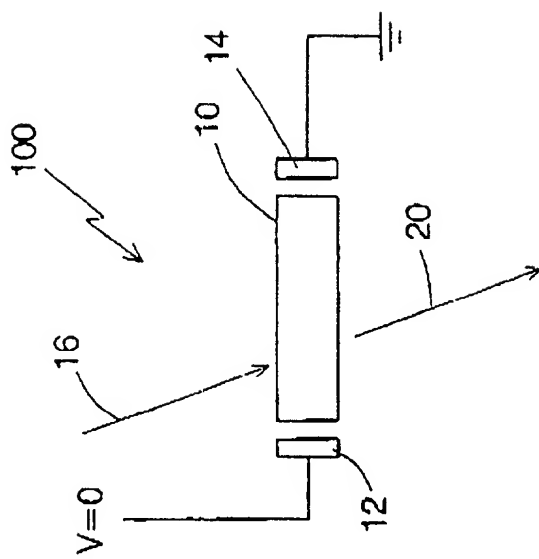


FIG. 1B  
(PRIOR ART)

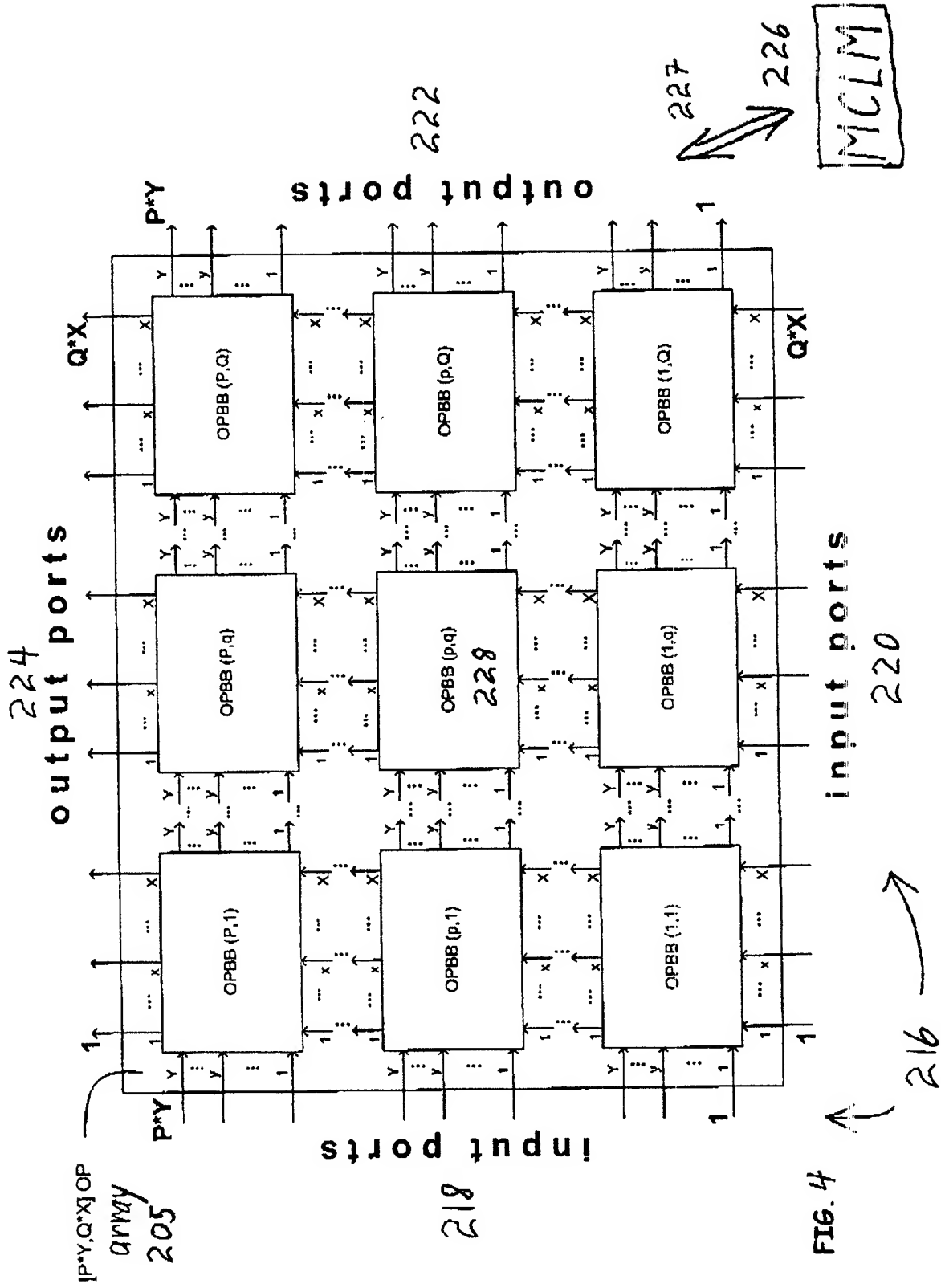
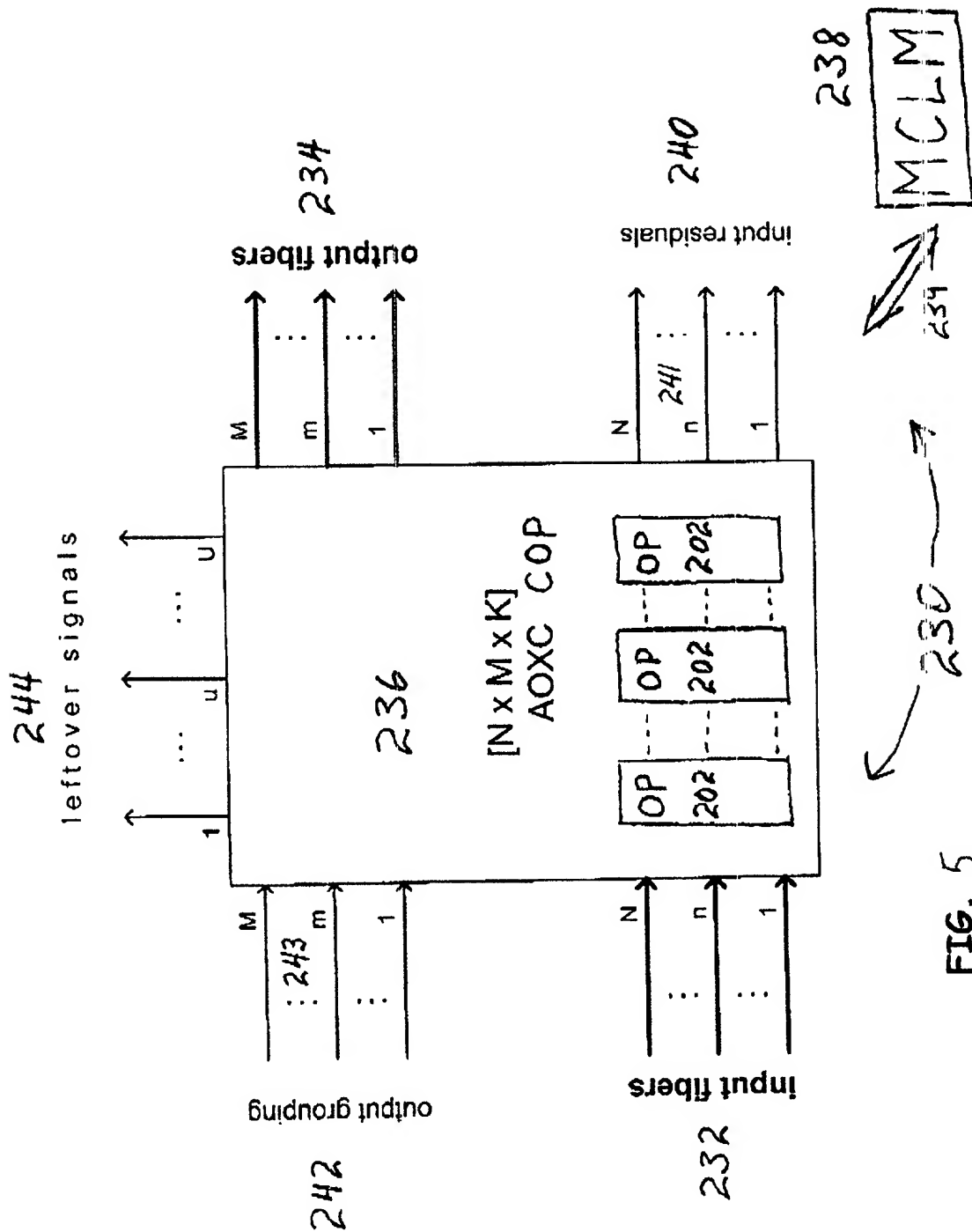


FIG. 4



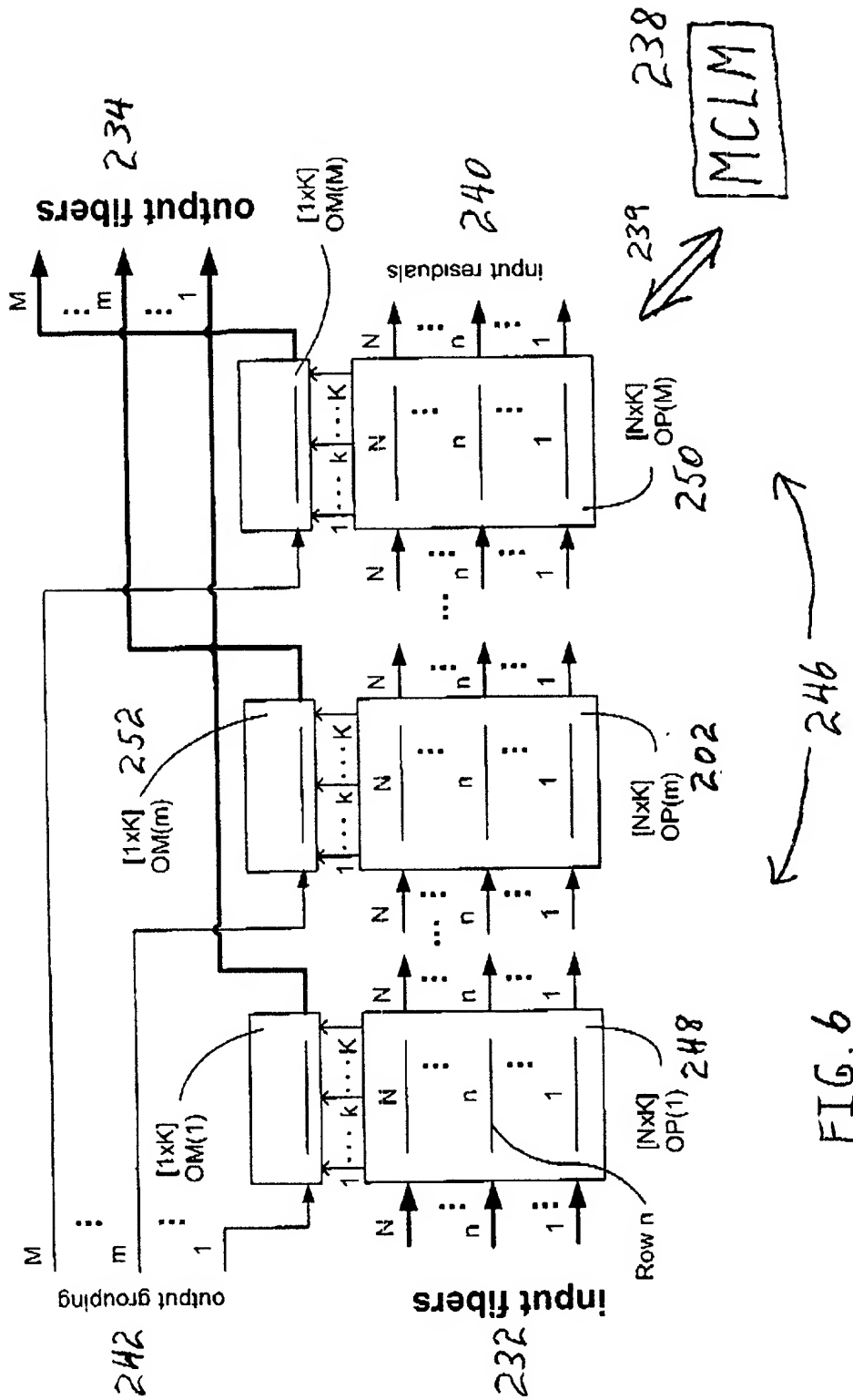


FIG. 6

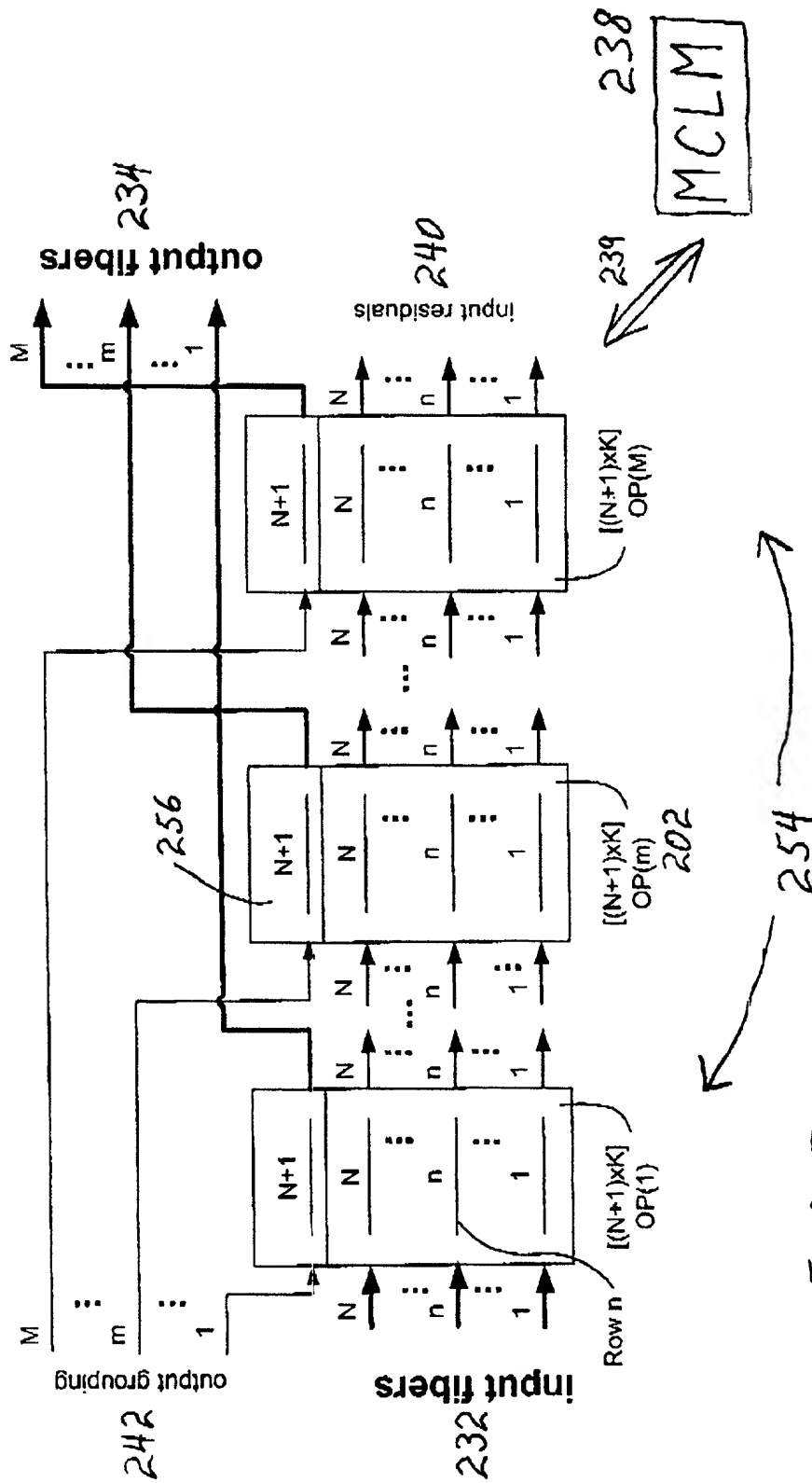
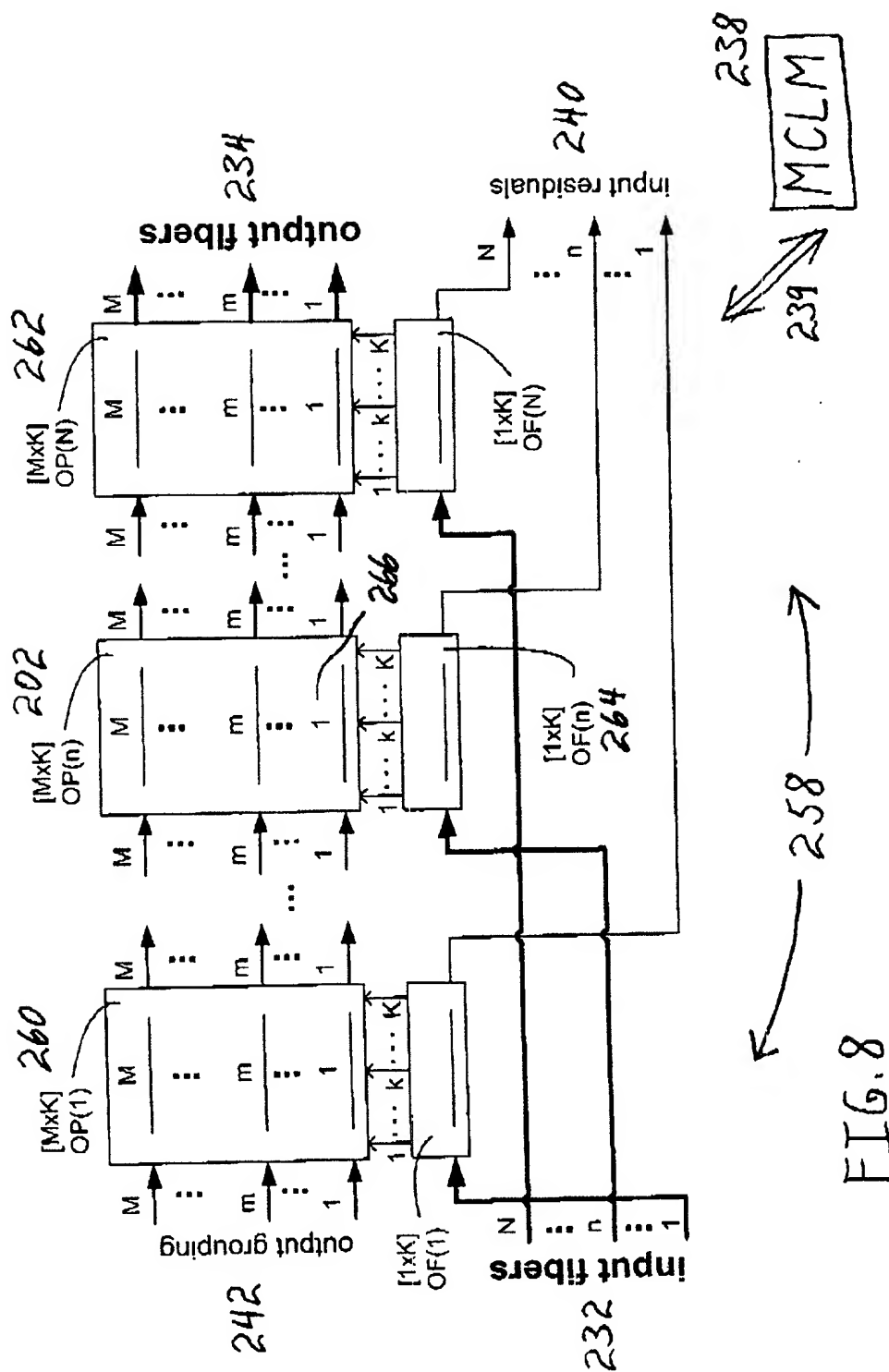


FIG. 7





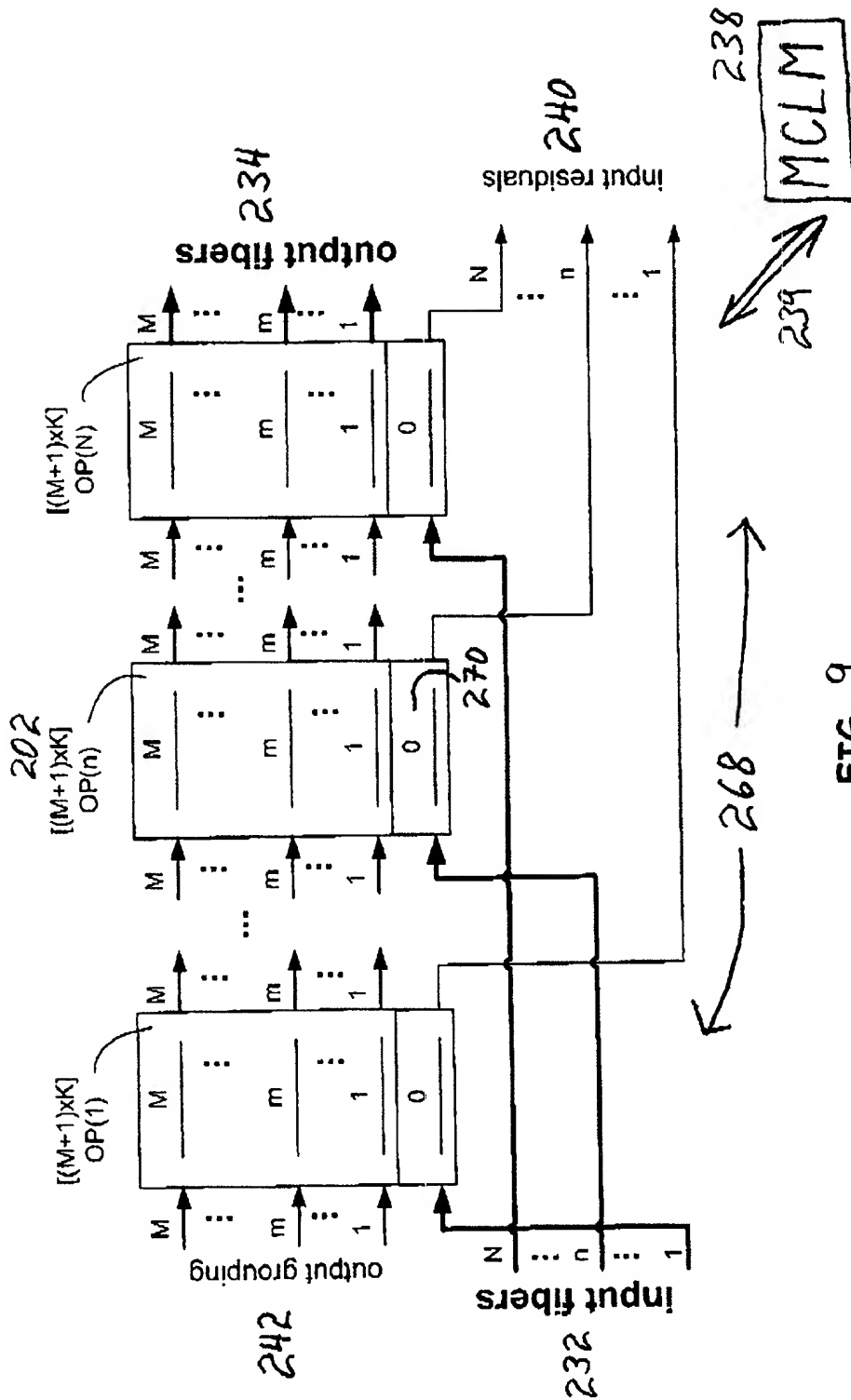
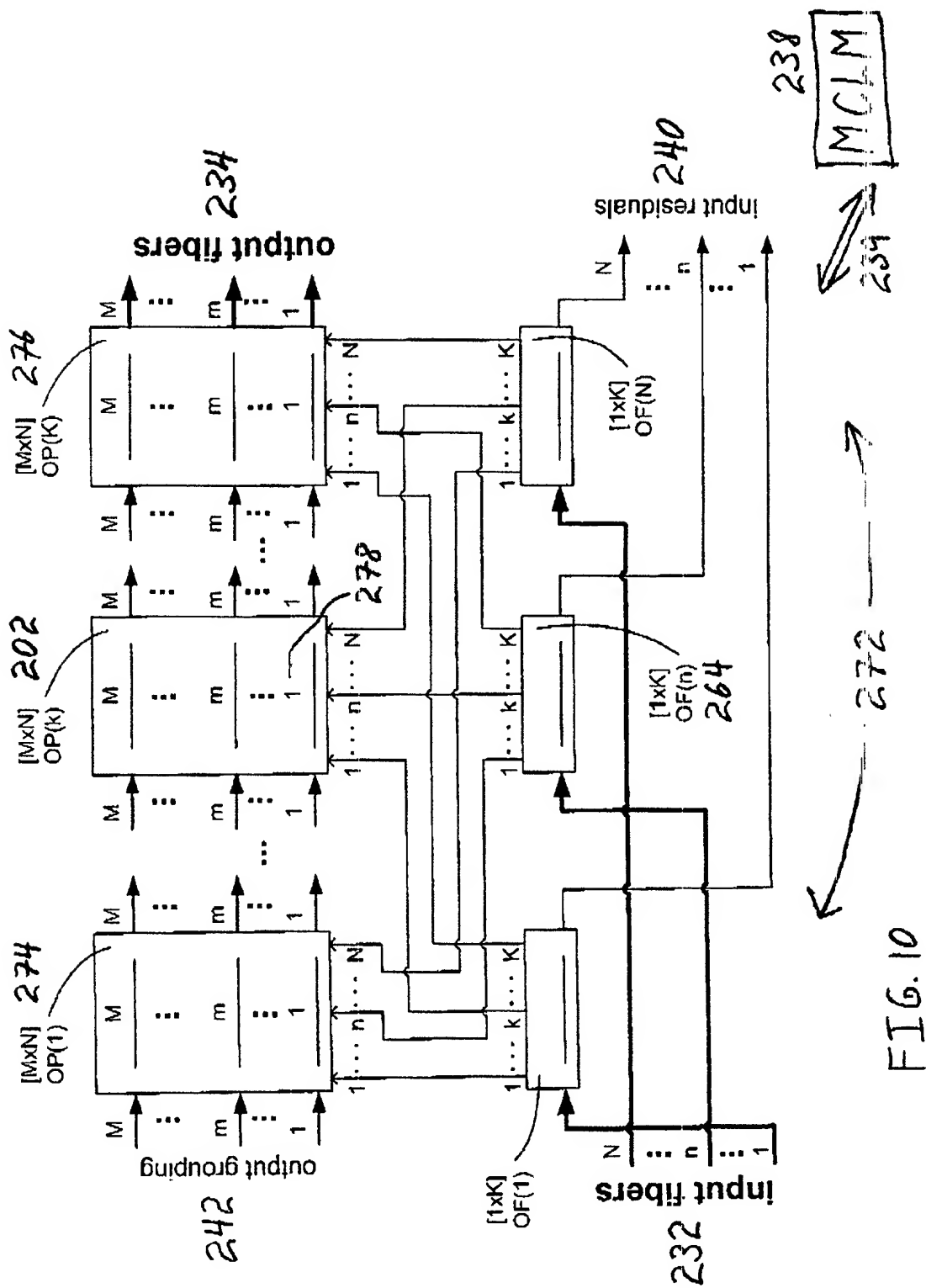
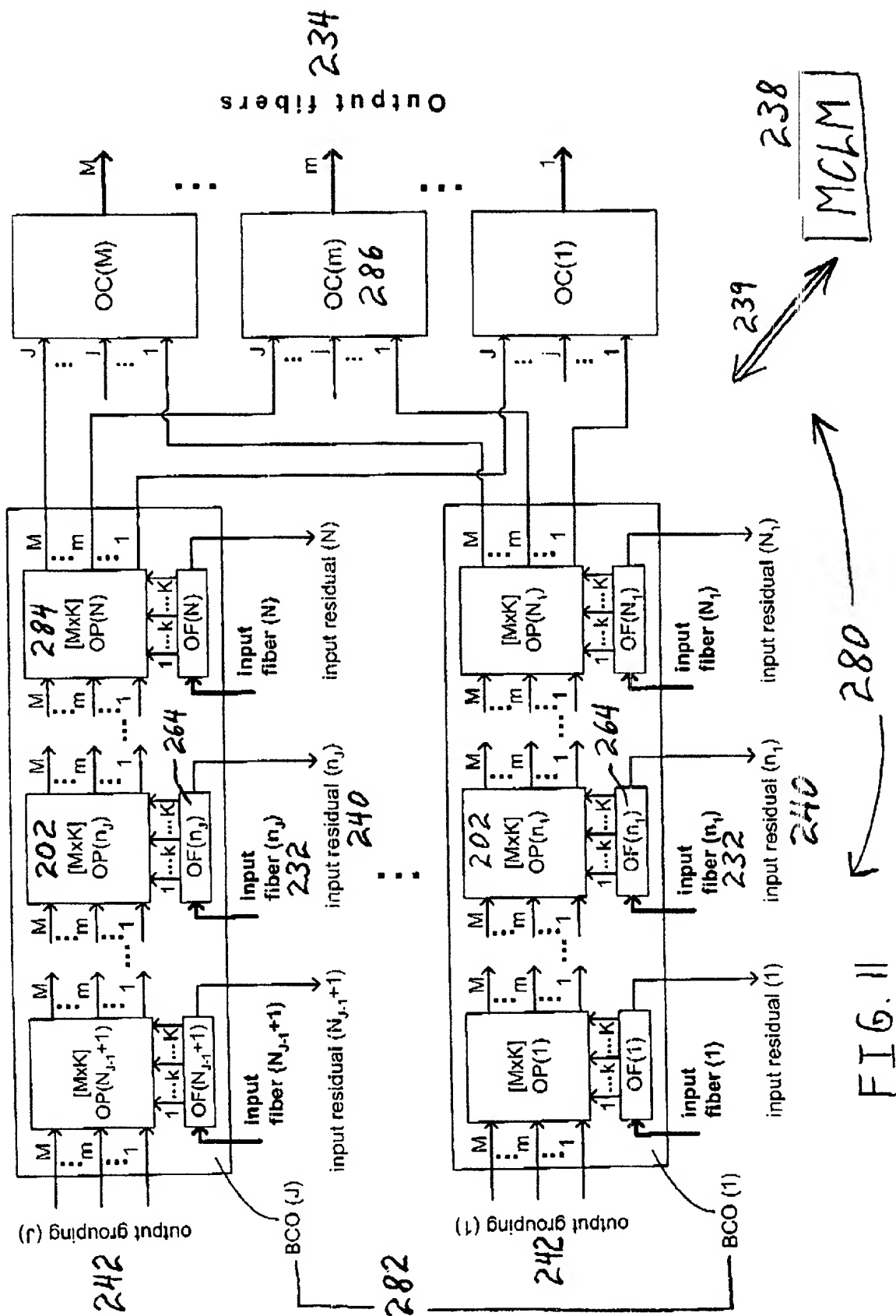


FIG. 9





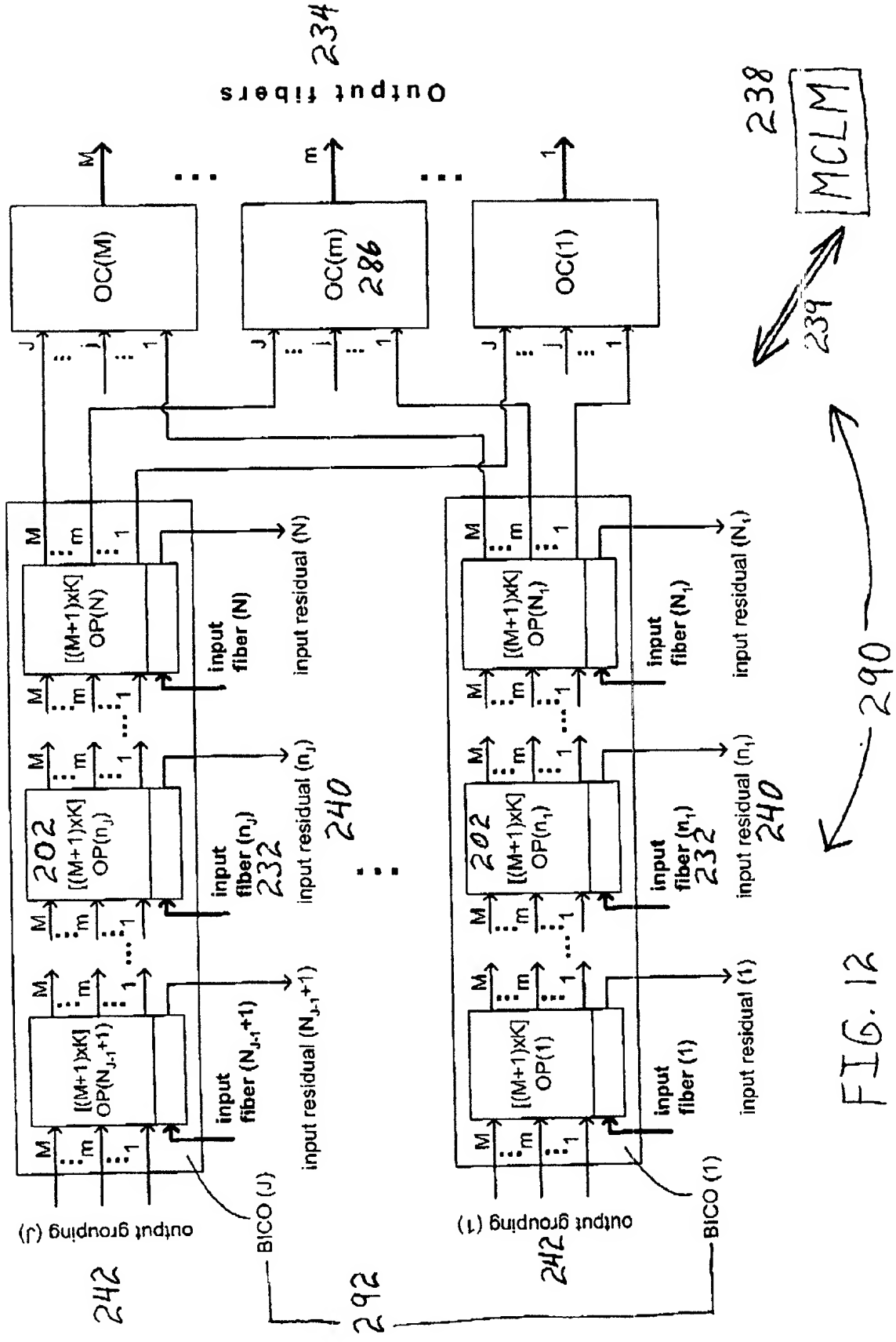
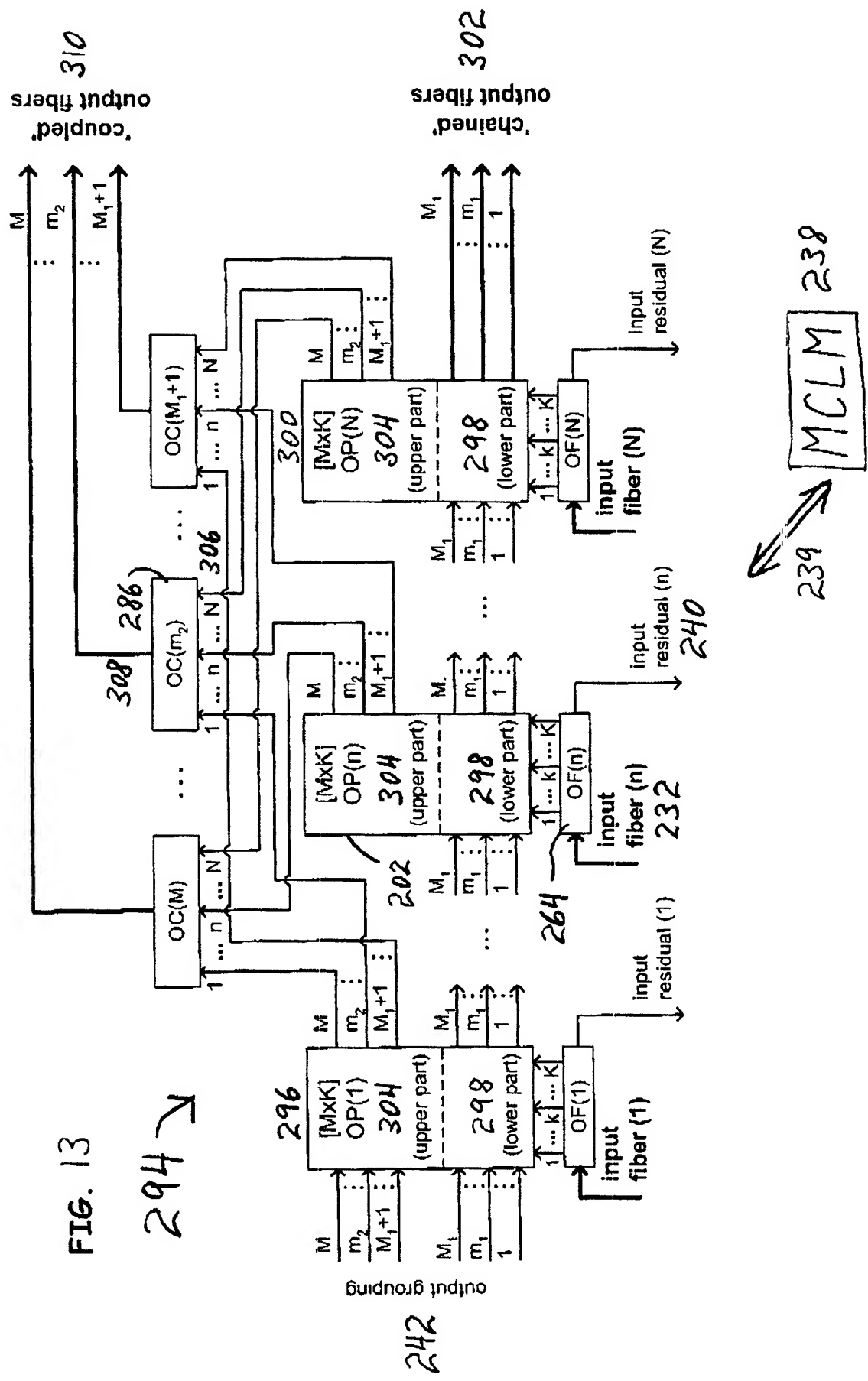
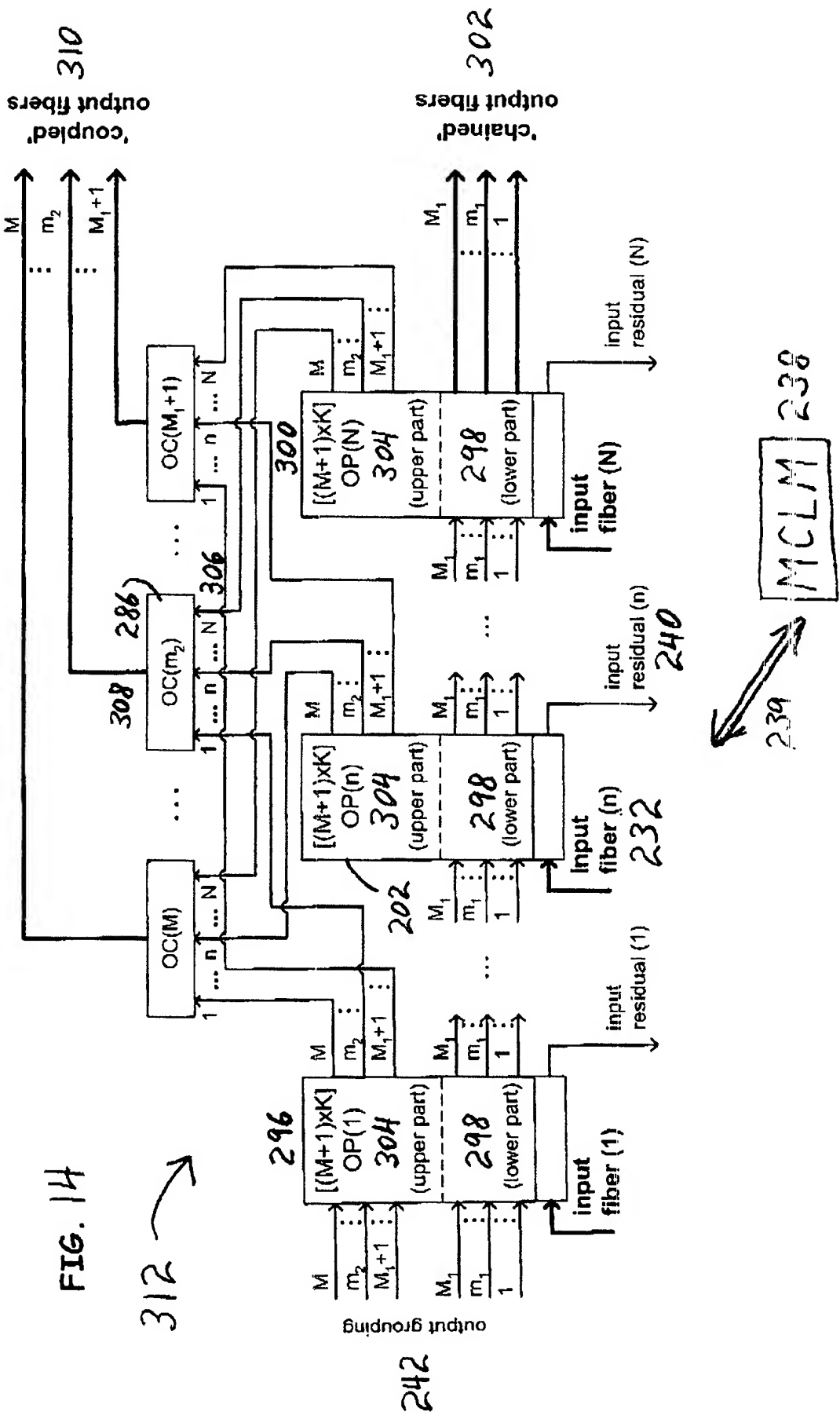
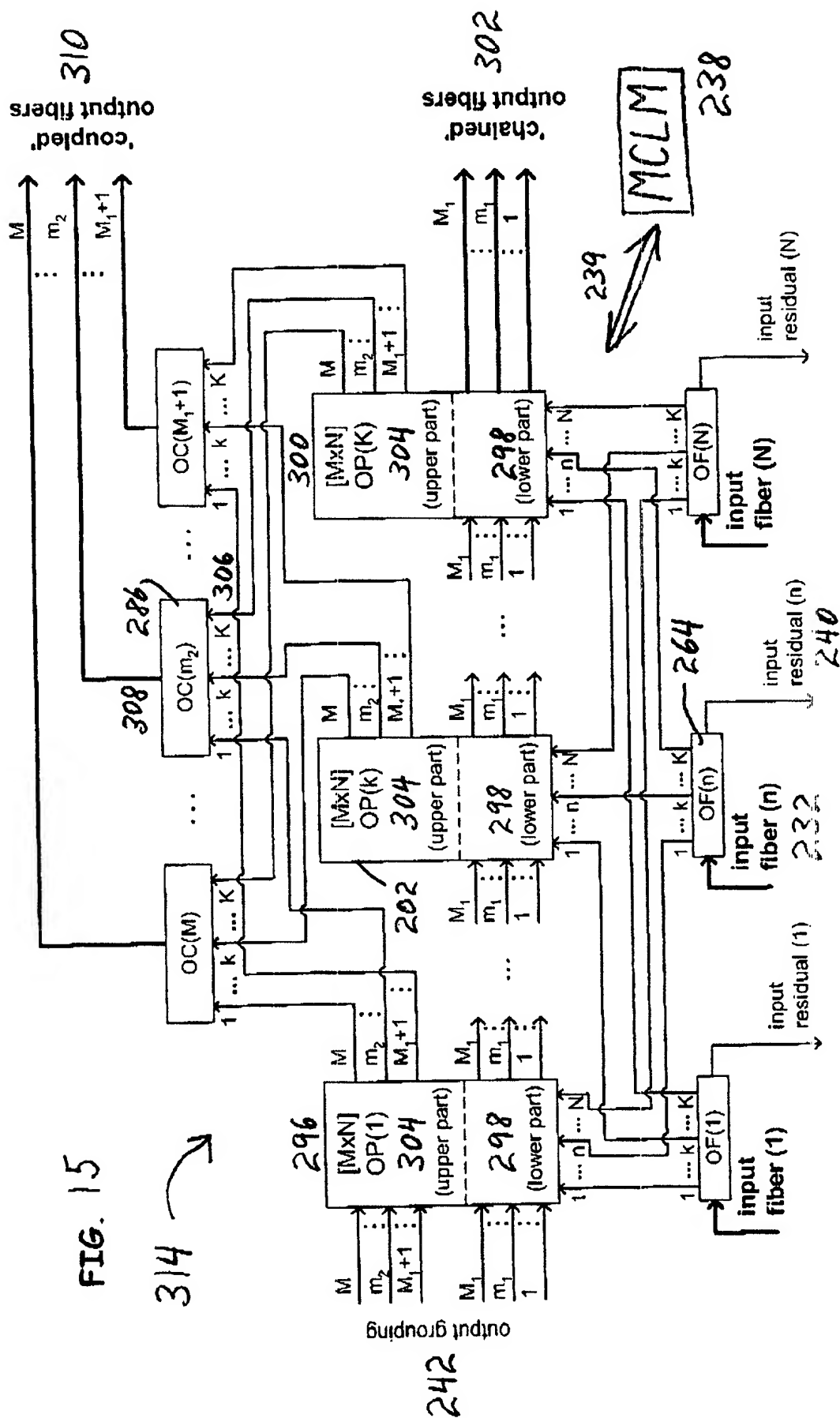


FIG. 13 is a block diagram of a multi-channel optical fiber communication system. The system includes a series of input fibers (1) through (N) and a series of output fibers (1) through (N). Each input fiber (i) is connected to a corresponding output fiber (i) through a series of optical components. The system is designed to handle multiple channels of data simultaneously.











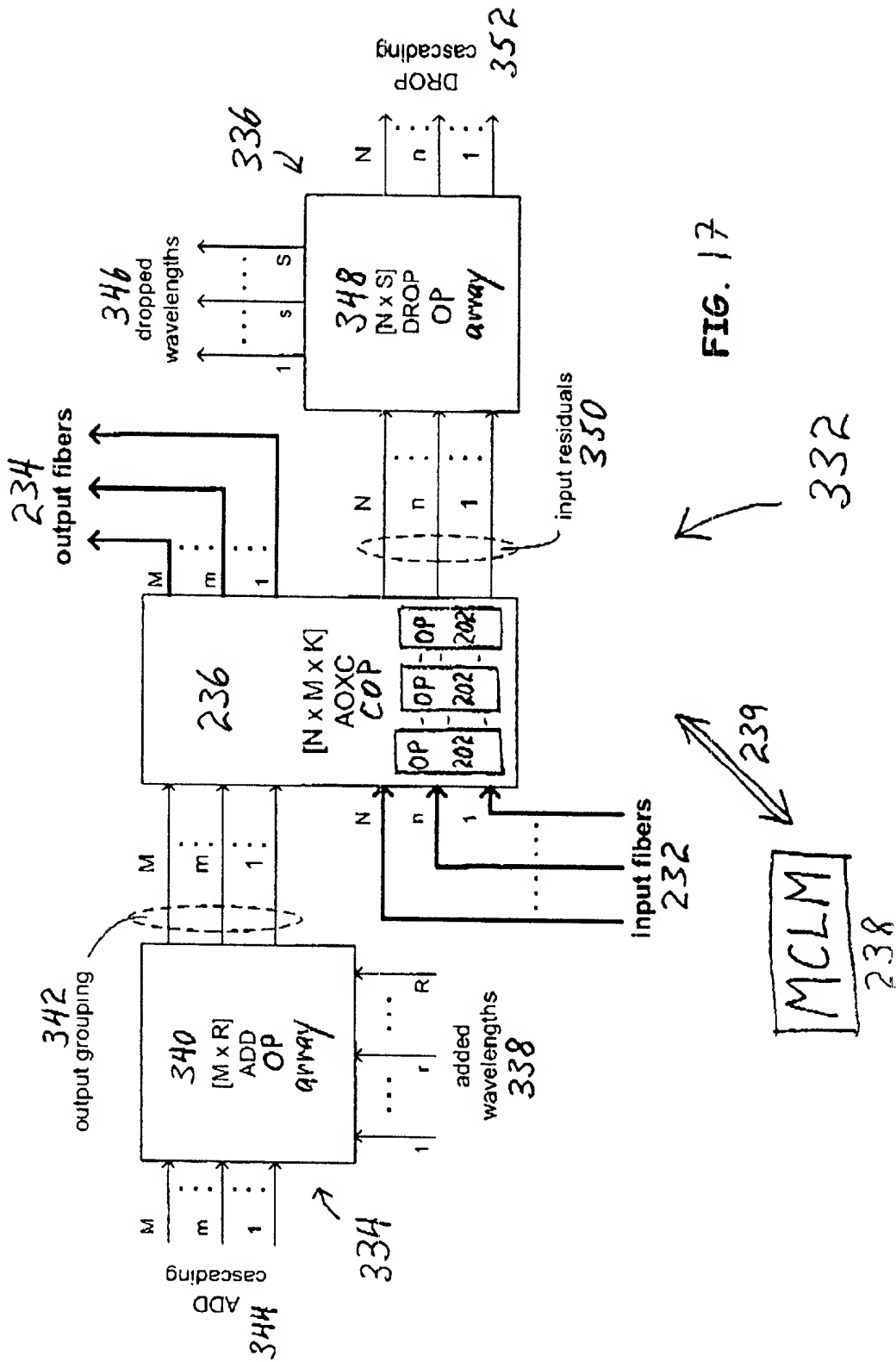


FIG. 17

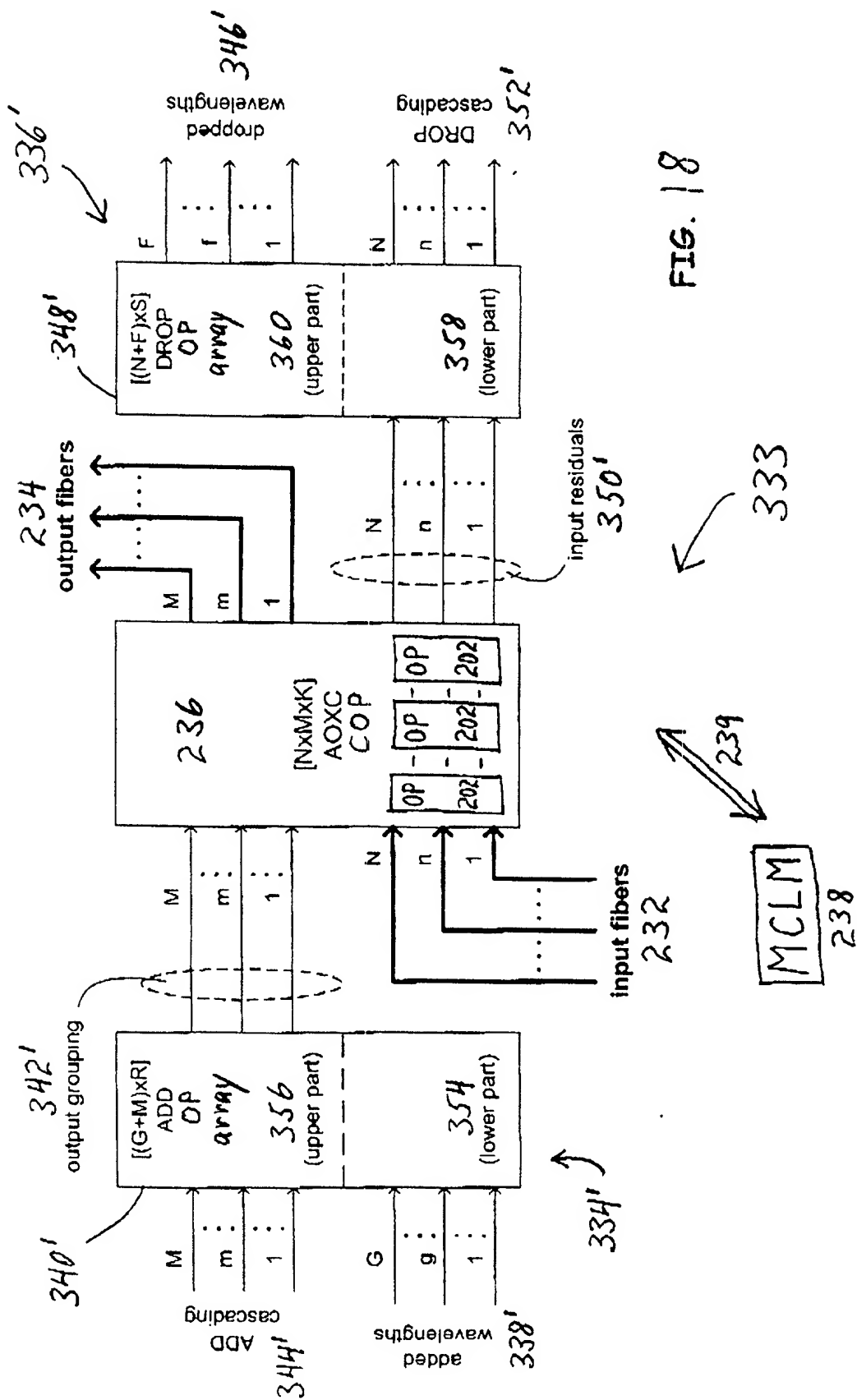
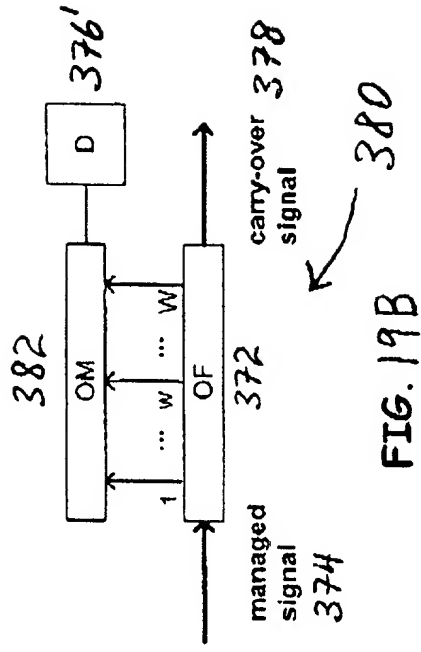
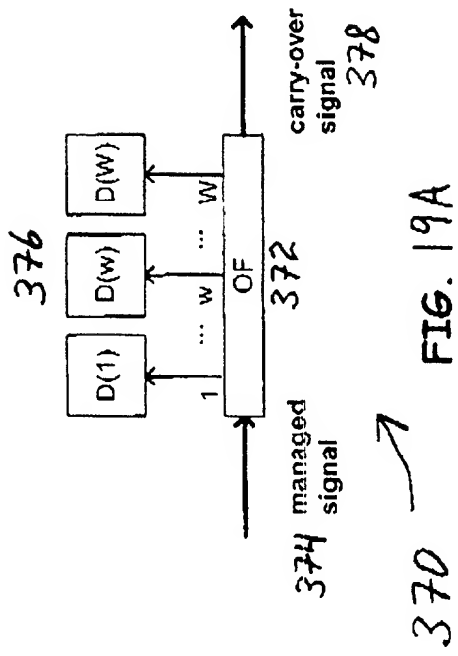
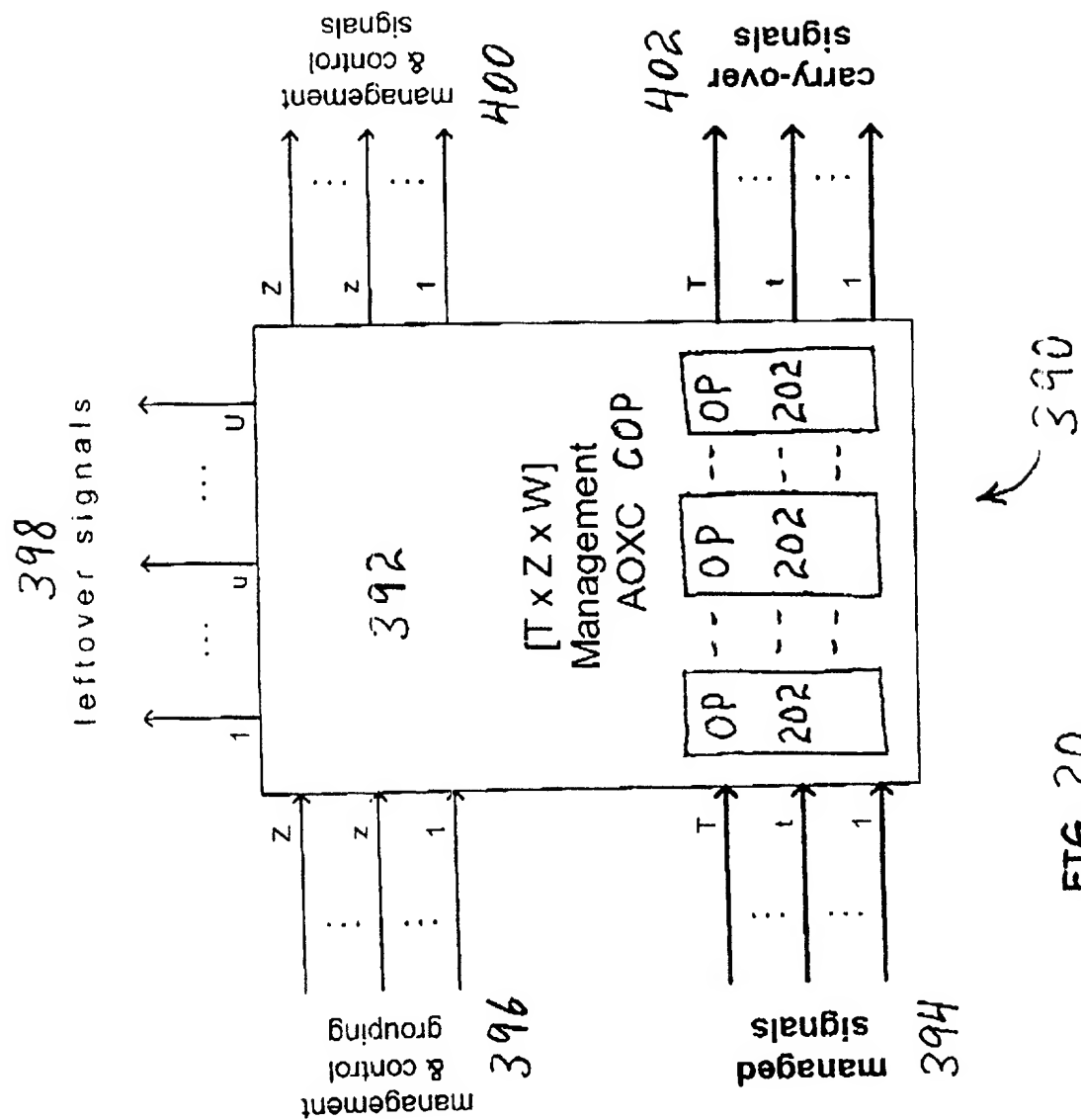


FIG. 8





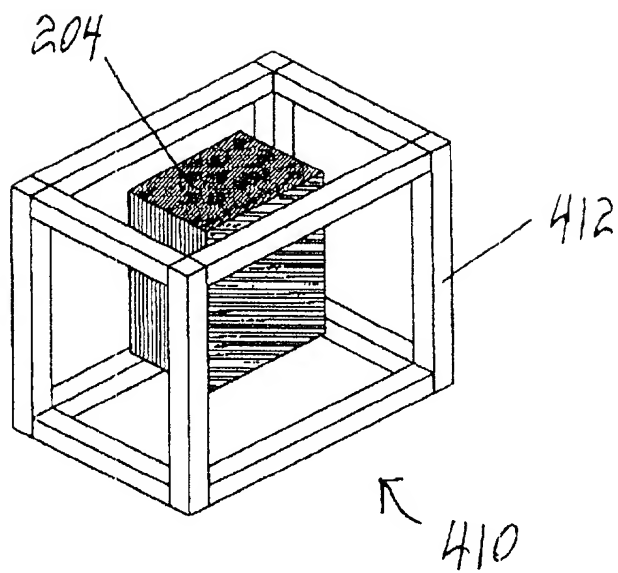


FIG. 21

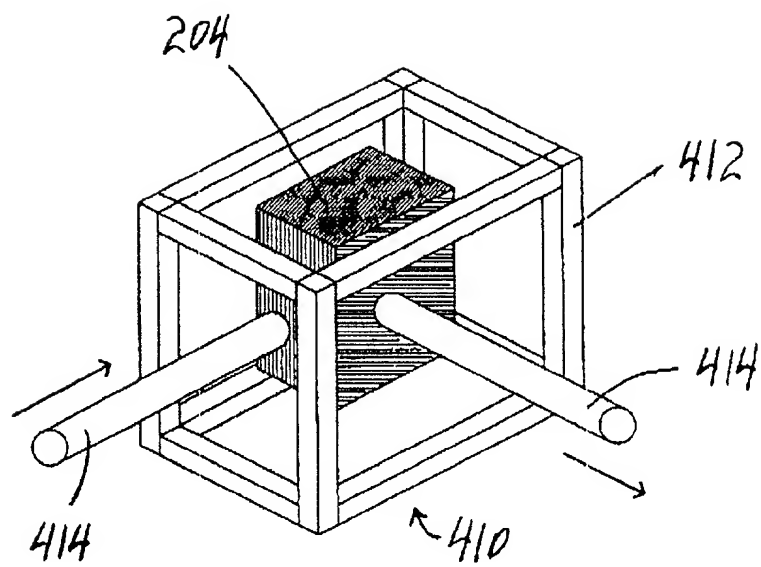
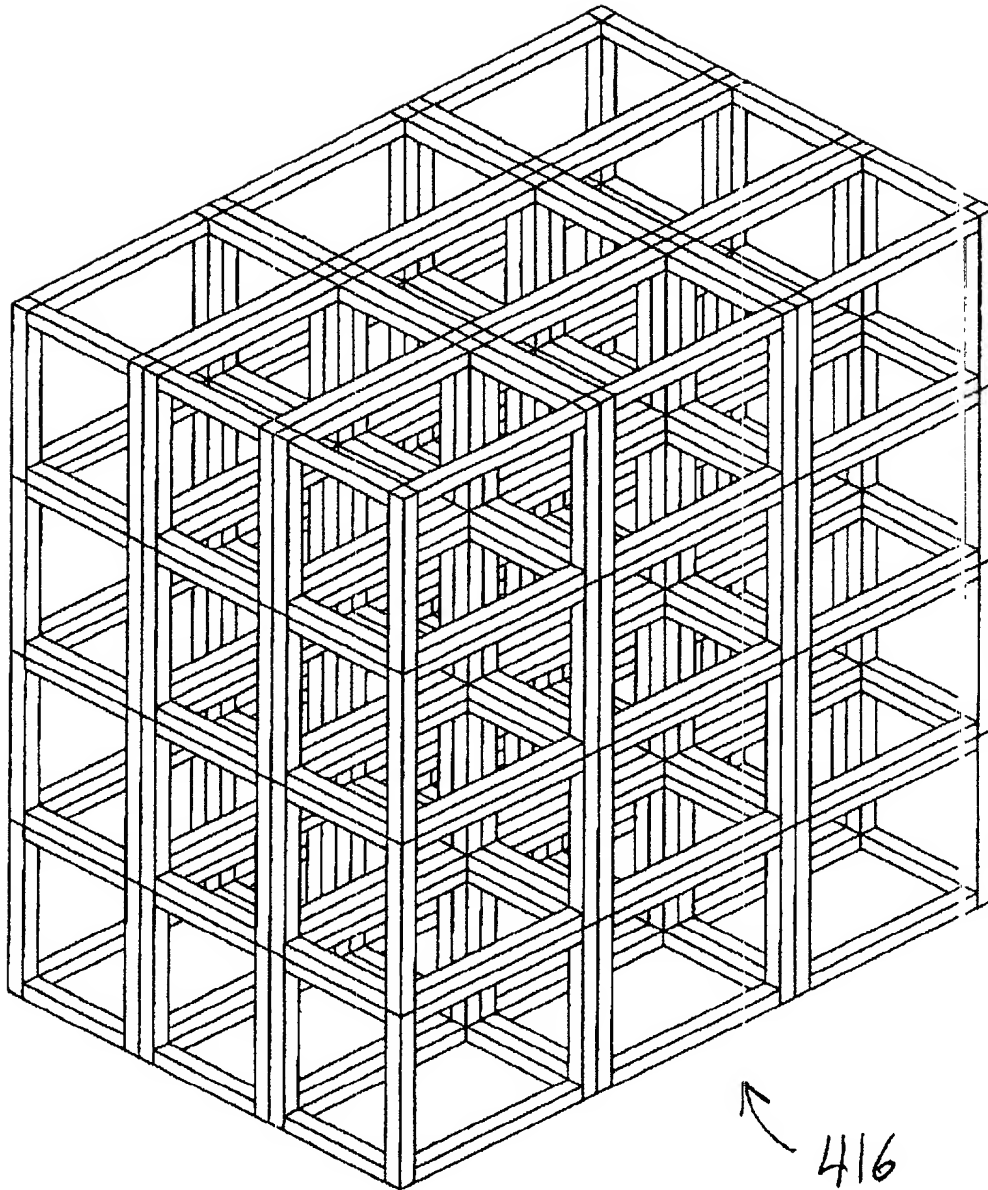


FIG. 22

FIG. 23



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FIG. 23



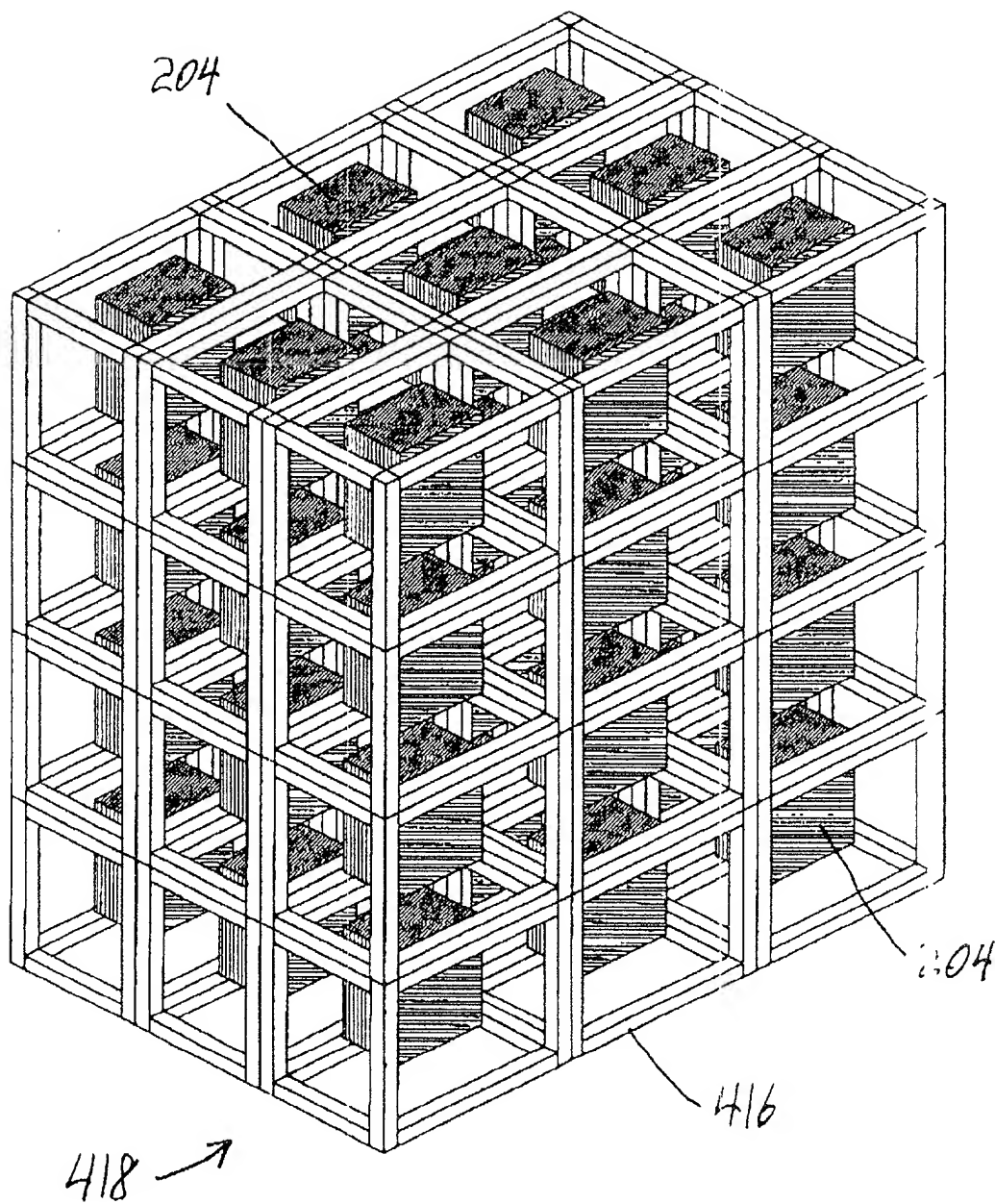
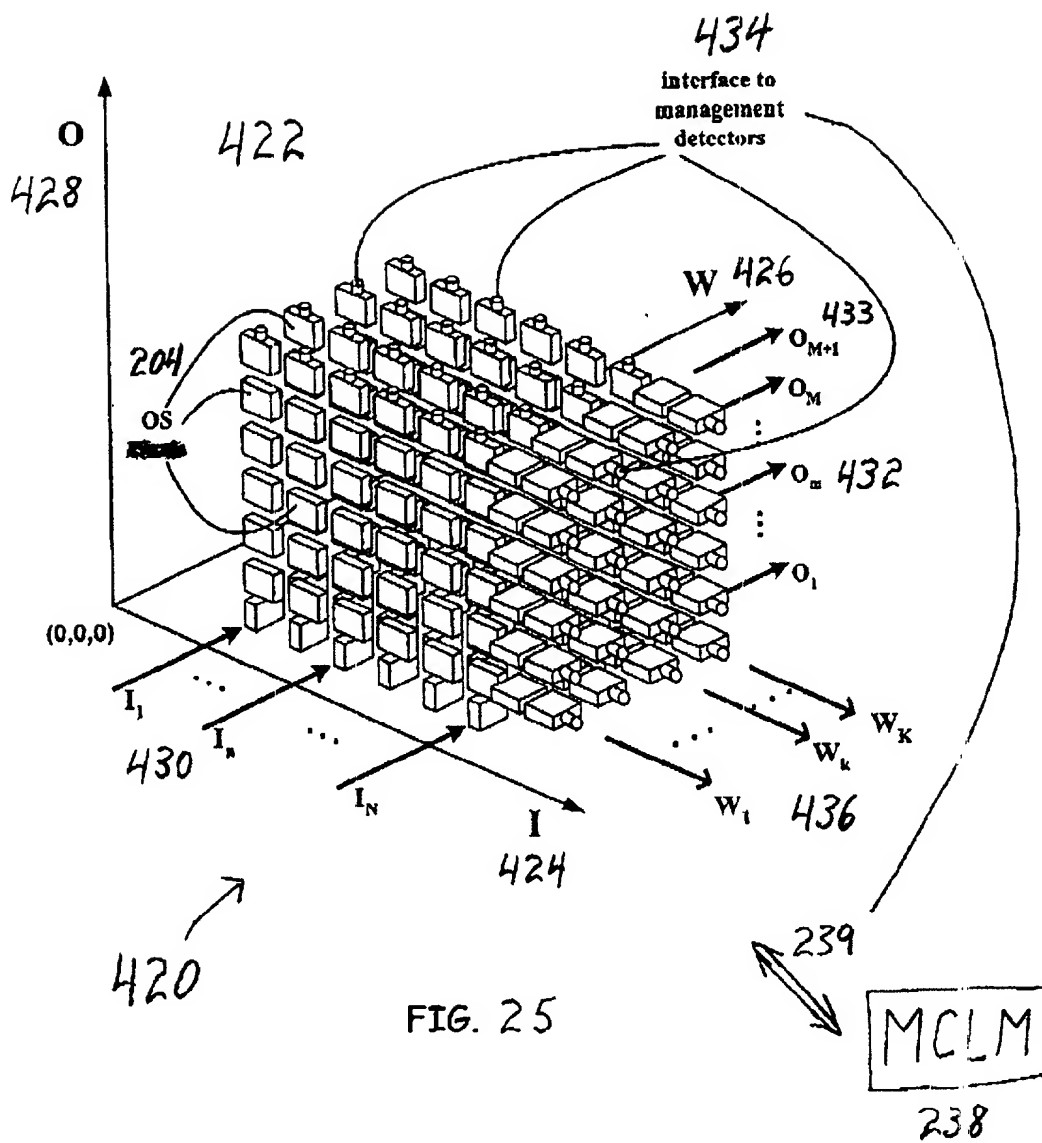


FIG. 24



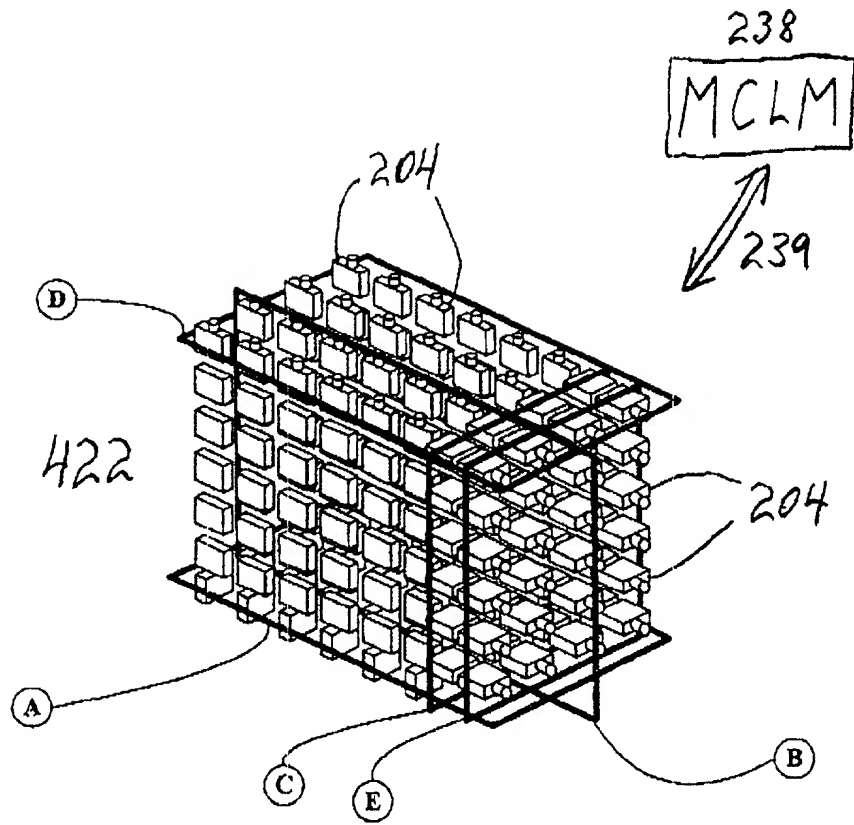


FIG. 26

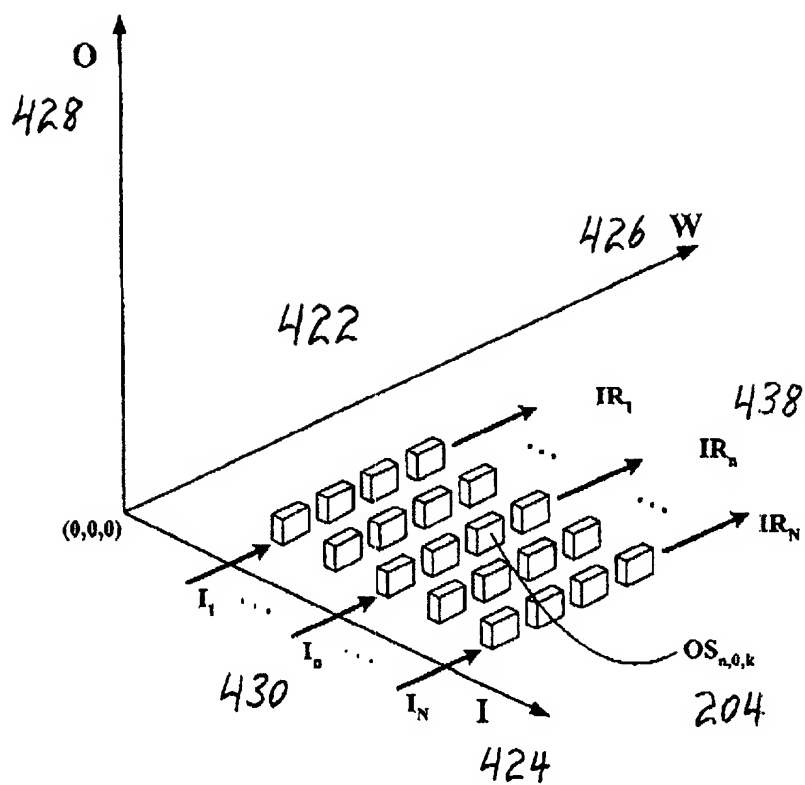


FIG. 27

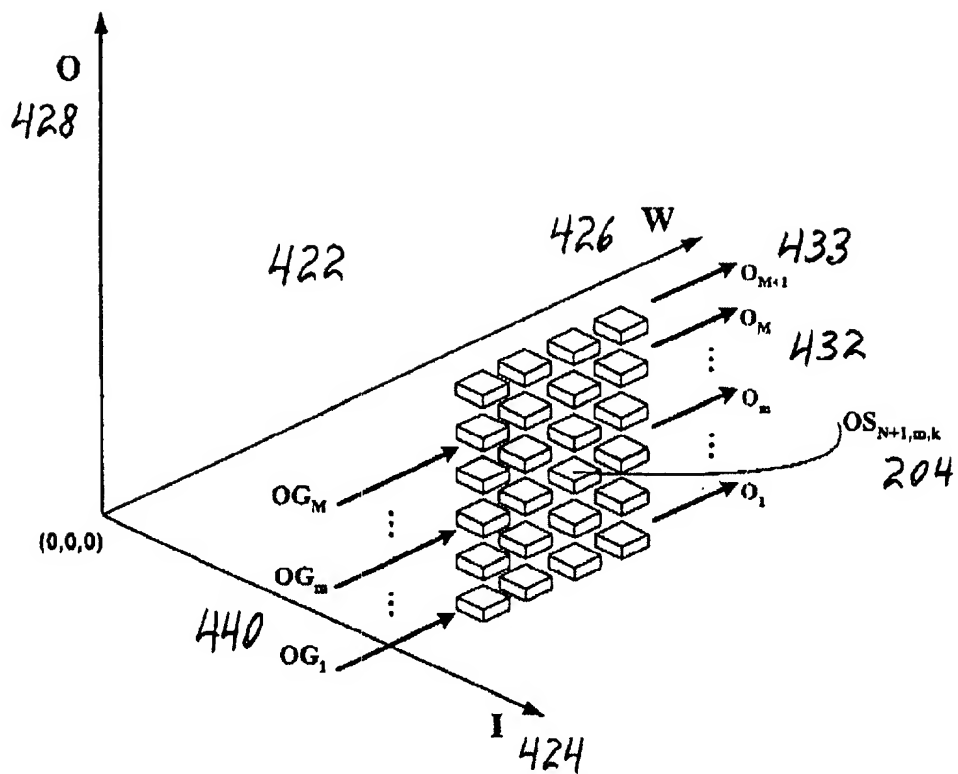


FIG. 28

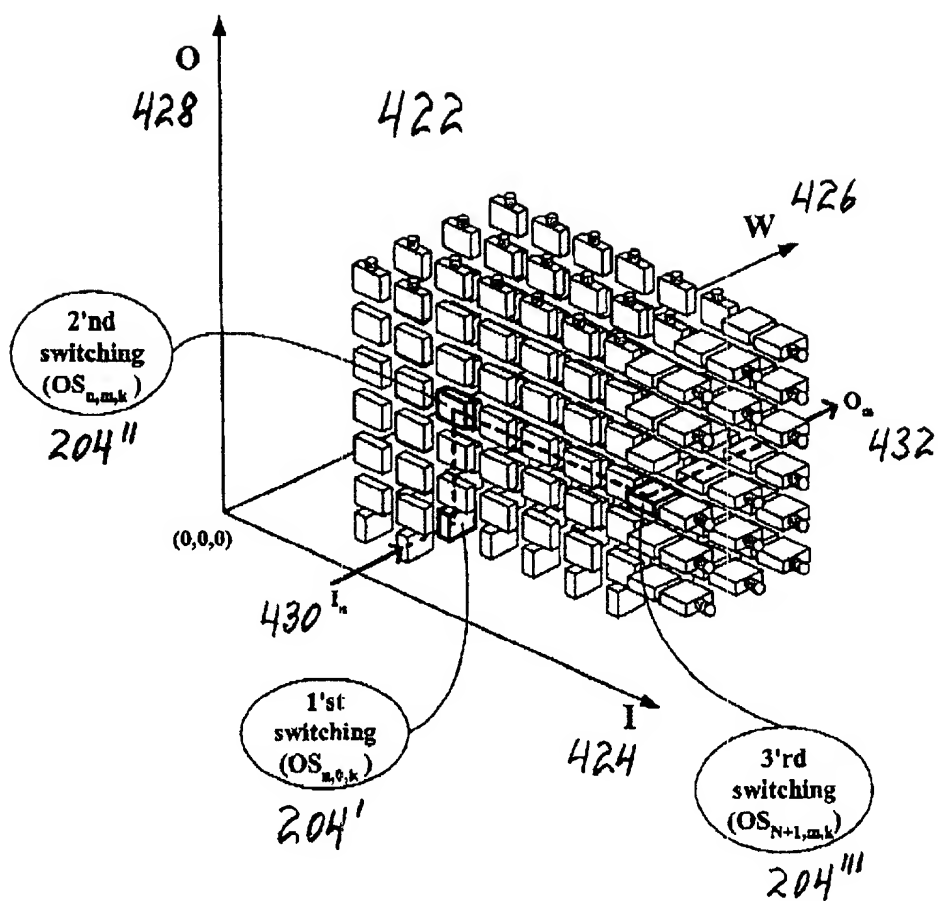


FIG. 29



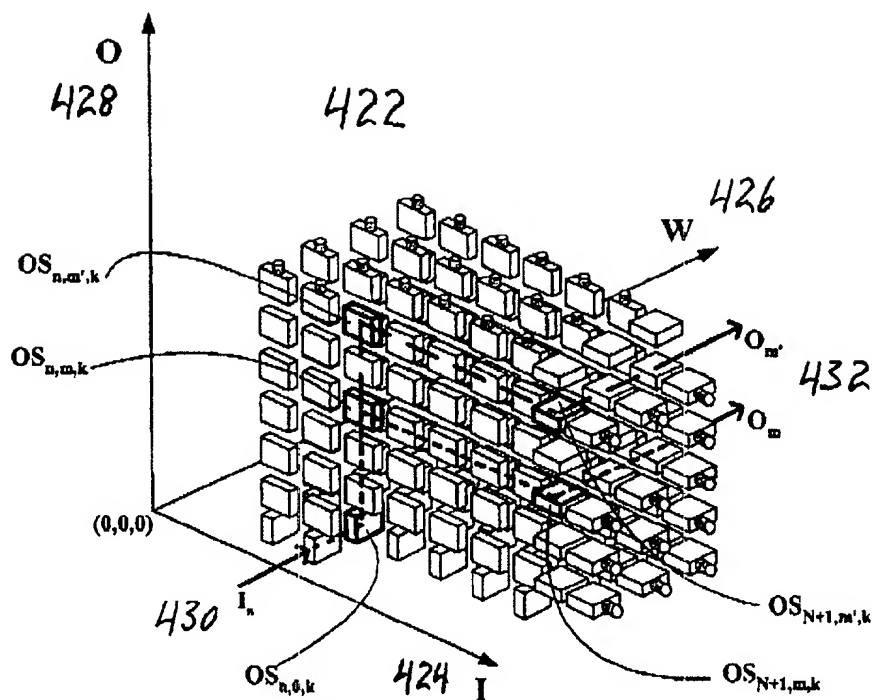


FIG. 31



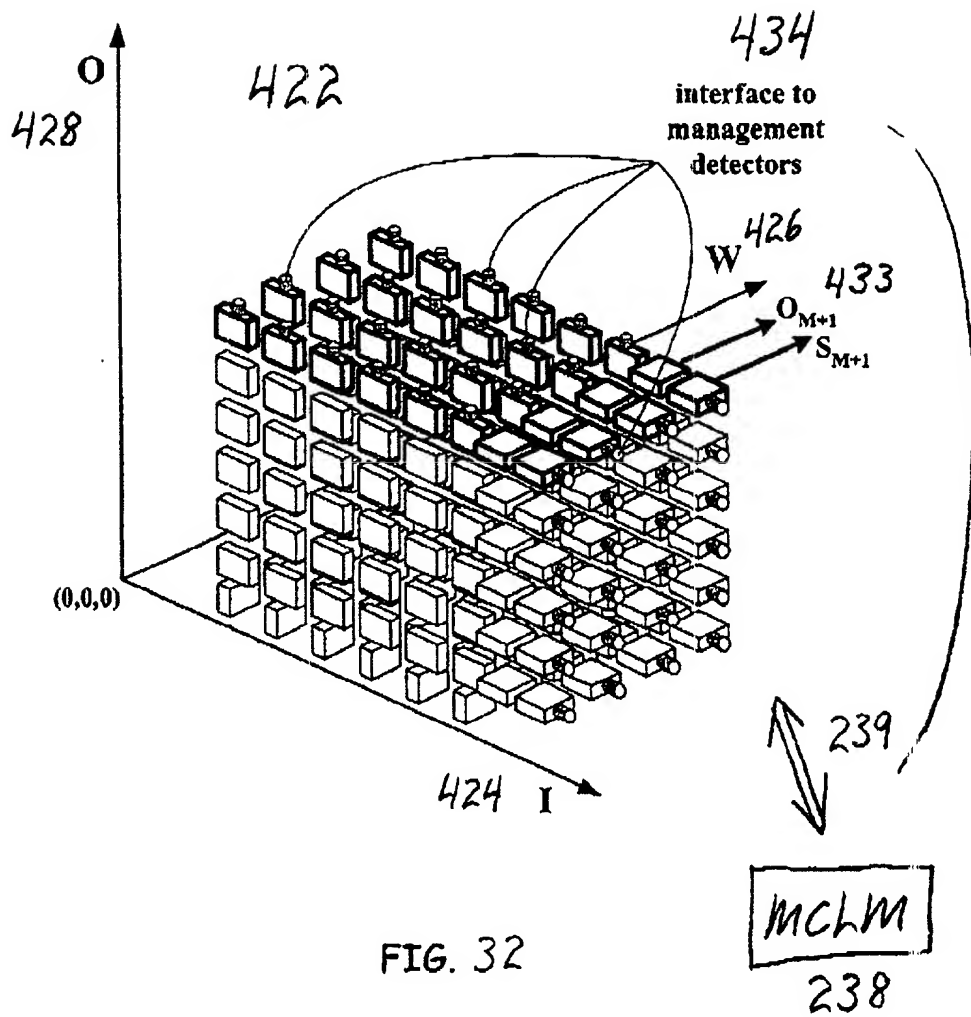


FIG. 32

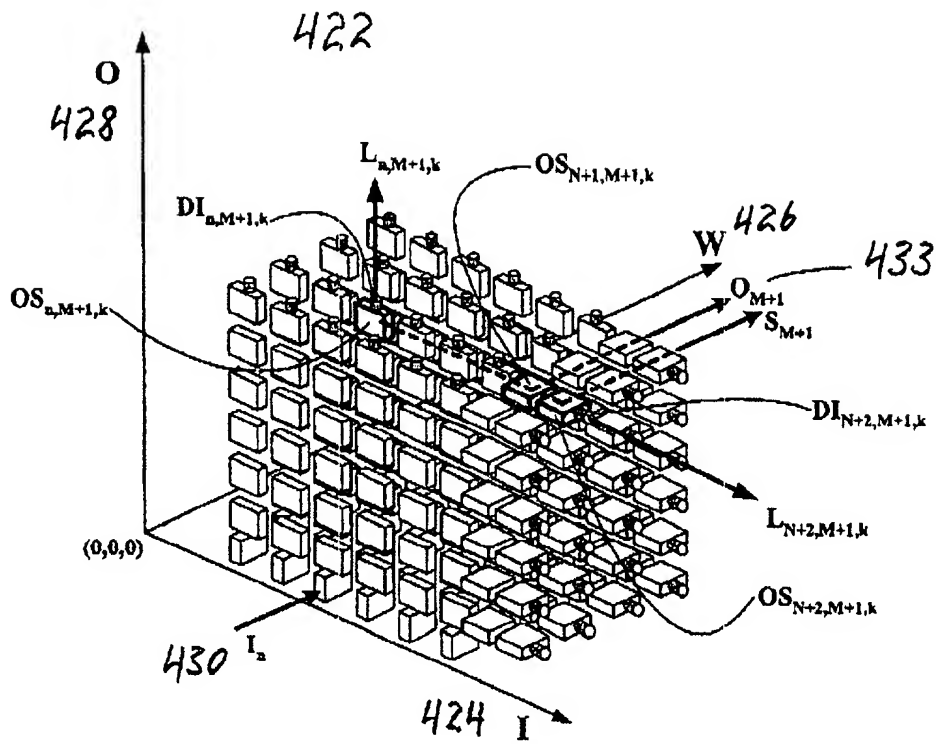


FIG. 33

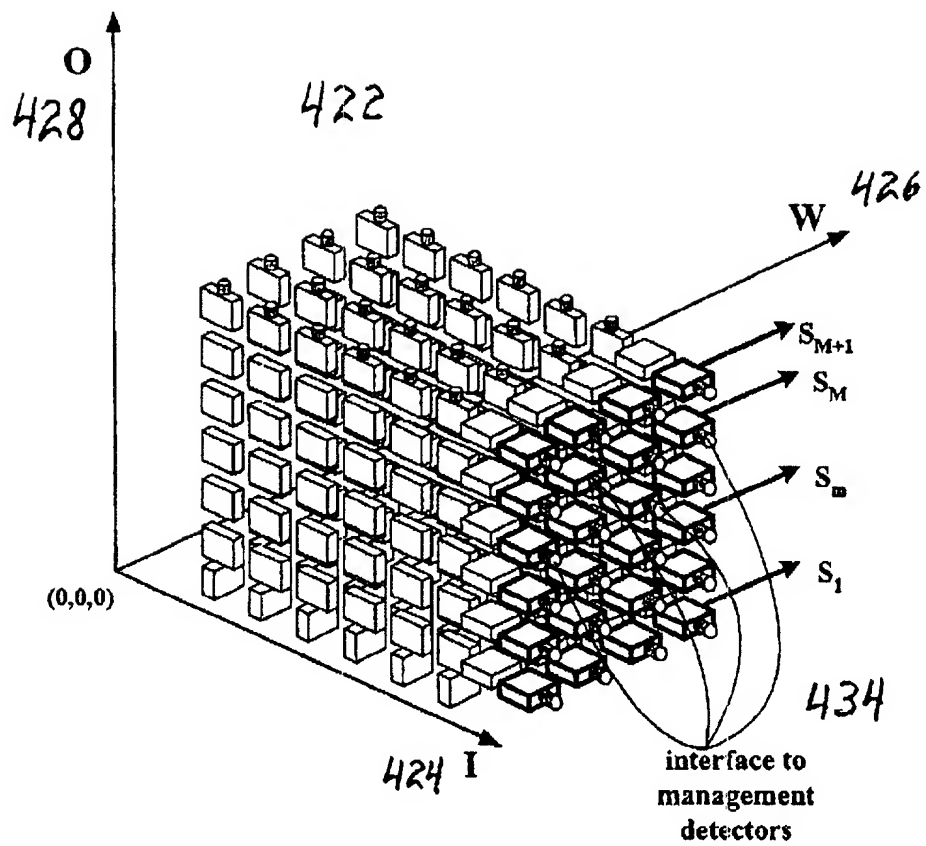


FIG. 34



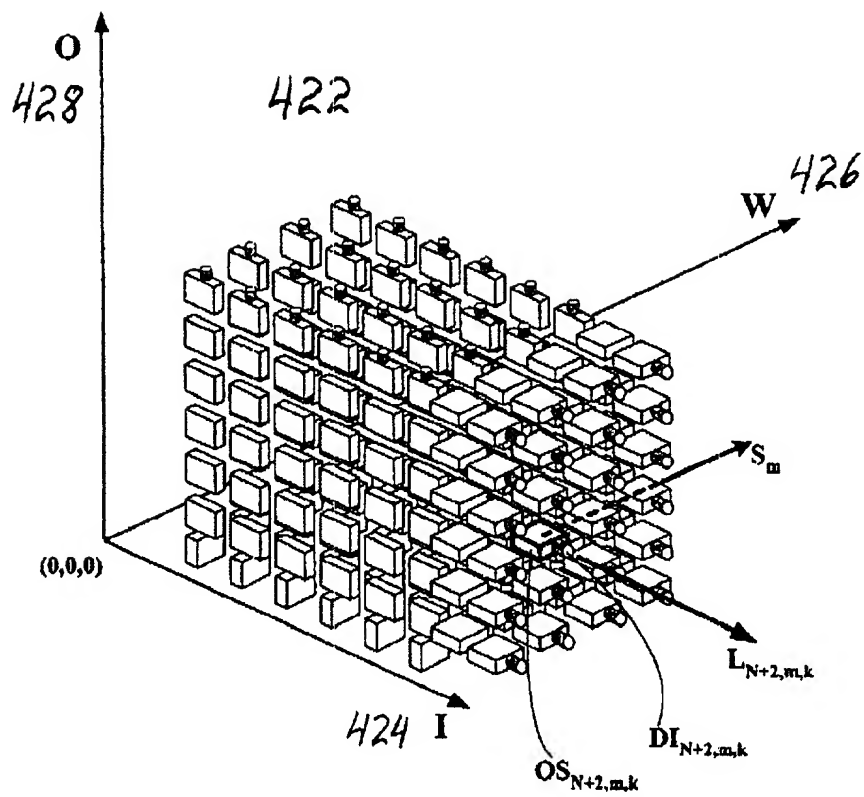


FIG. 35